

Fig.1A

1	alanine	ala	A
2	arginine	arg	R
3	asparagine	asn	N
4	aspartic acid	asp	D
5	cysteine	cys	C
6	glutamine	gln	Q
7	glutamic acid	glu	E
8	glycine	gly	G
9	histidine	his	H
10	isoleucine	ile	I
11	leucine	leu	L
12	lysine	lys	K
13	methionine	met	M
14	phenylalanine	phe	F
15	proline	pro	P
16	serine	ser	S
17	threonine	thr	T
18	tryptophan	trp	W
19	tyrosine	tyr	Y
20	valine	val	V

Fig.1B

No.	D	A	E	F	R	H	
1	D	A	E	F	R	H	positive control
2	D	R	E	F	R	H	
3	D	N	E	F	R	H	
4	D	D	E	F	R	H	
5	D	Q	E	F	R	H	
6	D	E	E	F	R	H	
7	D	G	E	F	R	H	
8	D	H	E	F	R	H	
9	D	I	E	F	R	H	
10	D	L	E	F	R	H	
11	D	M	E	F	R	H	
12	D	F	E	F	R	H	
13	D	P	E	F	R	H	
14	D	S	E	F	R	H	
15	D	T	E	F	R	H	
16	D	W	E	F	R	H	
17	D	Y	E	F	R	H	
18	D	V	E	F	R	H	
19	D	A	A	F	R	H	positive control
20	D	A	R	F	R	H	
21	D	A	N	F	R	H	
22	D	A	D	F	R	H	
23	D	A	Q	F	R	H	
24	D	A	E	F	R	H	
25	D	A	G	F	R	H	
26	D	A	H	F	R	H	
27	D	A	I	F	R	H	
28	D	A	L	F	R	H	
29	D	A	M	F	R	H	
30	D	A	F	F	R	H	
31	D	A	P	F	R	H	
32	D	A	S	F	R	H	
33	D	A	T	F	R	H	
34	D	A	W	F	R	H	
35	D	A	Y	F	R	H	
36	D	A	V	F	R	H	
37	D	A	E	A	R	H	positive control
38	D	A	E	R	R	H	
39	D	A	E	N	R	H	
40	D	A	E	D	R	H	
41	D	A	E	Q	R	H	
42	D	A	E	E	R	H	
43	D	A	E	G	R	H	
44	D	A	E	H	R	H	
45	D	A	E	I	R	H	
46	D	A	E	L	R	H	
47	D	A	E	M	R	H	
48	D	A	E	F	R	H	
49	D	A	E	P	R	H	
50	D	A	E	S	R	H	

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Fig.1C

51	D	A	E	T	R	H	
52	D	A	E	W	R	H	
53	D	A	E	Y	R	H	
54	D	A	E	V	R	H	
55	D	A	E	F	A	H	
56	D	A	E	F	R	H	
57	D	A	E	F	N	H	positive control
58	D	A	E	F	D	H	
59	D	A	E	F	Q	H	
60	D	A	E	F	E	H	
61	D	A	E	F	G	H	
62	D	A	E	F	H	H	
63	D	A	E	F	I	H	
64	D	A	E	F	L	H	
65	D	A	E	F	M	H	
66	D	A	E	F	F	H	
67	D	A	E	F	P	H	
68	D	A	E	F	S	H	
69	D	A	E	F	T	H	
70	D	A	E	F	W	H	
71	D	A	E	F	Y	H	
72	D	A	E	F	V	H	
73	D	A	E	F	R	A	
74	D	A	E	F	R	R	
75	D	A	E	F	R	N	
76	D	A	E	F	R	D	
77	D	A	E	F	R	Q	
78	D	A	E	F	R	E	
79	D	A	E	F	R	G	
80	D	A	E	F	R	H	positive control
81	D	A	E	F	R	I	
82	D	A	E	F	R	L	
83	D	A	E	F	R	M	
84	D	A	E	F	R	F	
85	D	A	E	F	R	P	
86	D	A	E	F	R	S	
87	D	A	E	F	R	T	
88	D	A	E	F	R	W	
89	D	A	E	F	R	Y	
90	D	A	E	F	R	V	

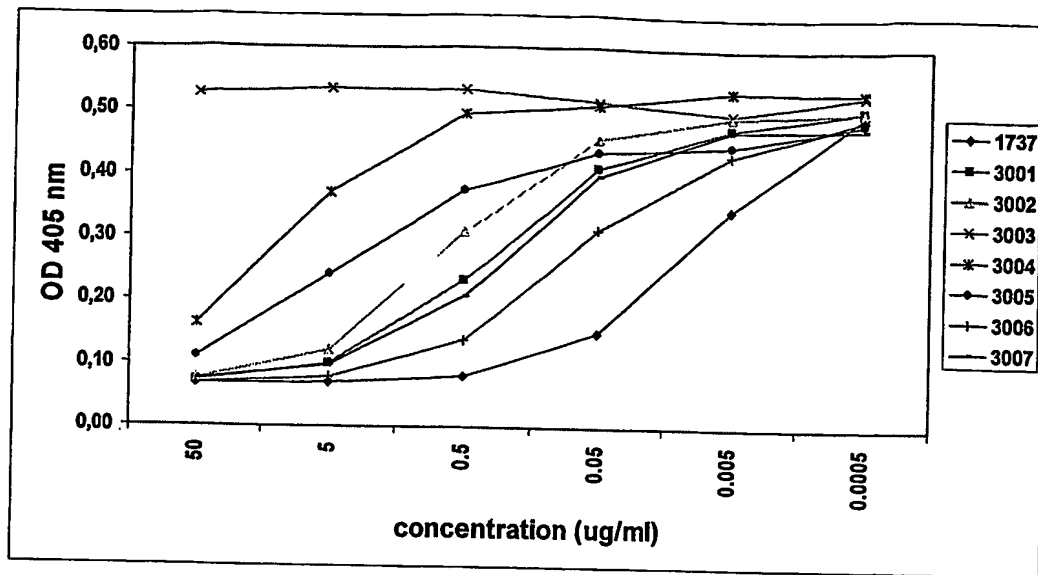


Fig.2

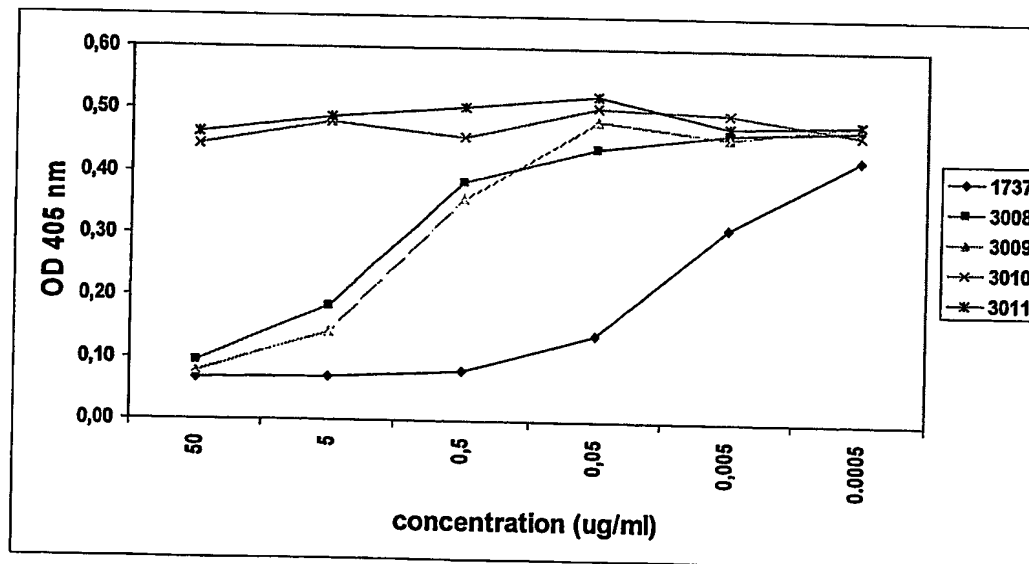


Fig.3

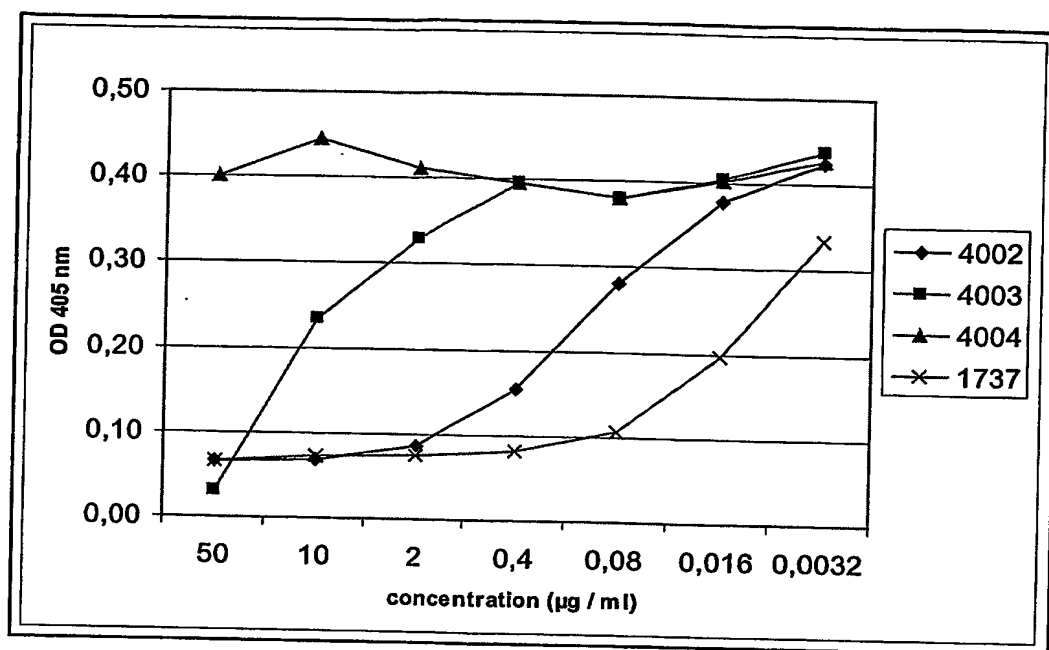


Fig.4

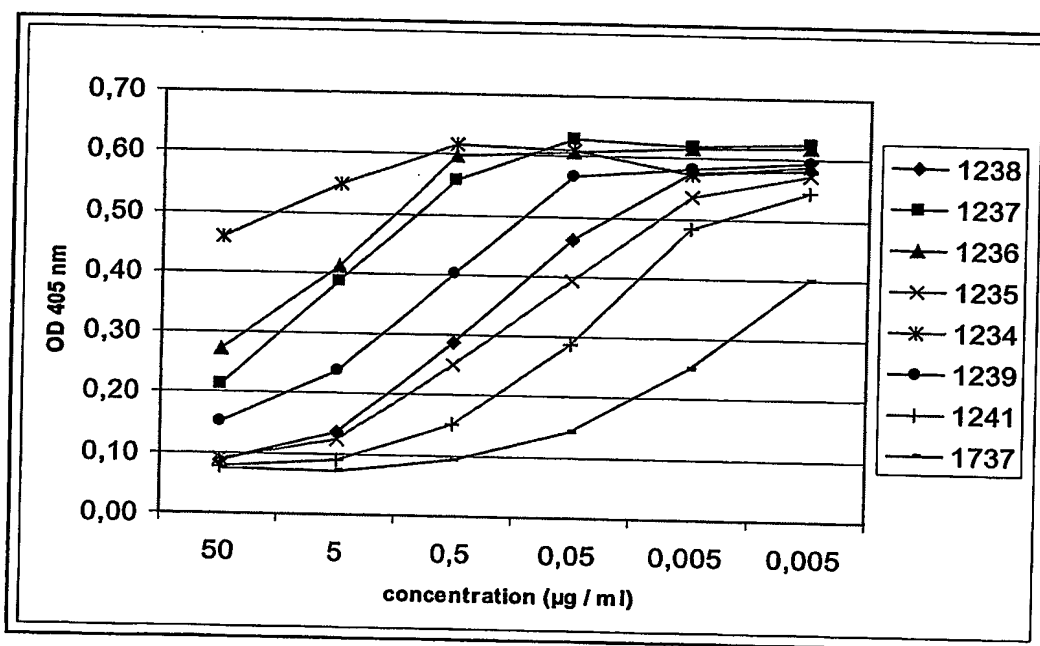


Fig.5